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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/643,341	08/19/2003	Manoj Mehrotra	TI-35775	3787
23494	7590 04/22	os	EXAMINER	
	STRUMENTS IN	NGUYEN, HA T		
	P O BOX 655474, M/S 3999 DALLAS, TX 75265			PAPER NUMBER
<b>,</b>			2812	
			DATE MAILED: 04/22/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/643,341	MEHROTRA, MANOJ			
Office Action Summary	Examiner	Art Unit			
	Ha T. Nguyen	2812			
The MAILING DATE of this communical Period for Reply	tion appears on the cover sheet w	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA  - Extensions of time may be available under the provisions of 3' after SIX (6) MONTHS from the mailing date of this communic  - If the period for reply specified above is less than thirty (30) de  - If NO period for reply is specified above, the maximum statuto  - Failure to reply within the set or extended period for reply will,  Any reply received by the Office later than three months after  - earned patent term adjustment. See 37 CFR 1.704(b).	ATION.  7 CFR 1.136(a). In no event, however, may a relation.  ays, a reply within the statutory minimum of thir ry period will apply and will expire SIX (6) MON by statute, cause the application to become AE	reply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed of	on 24 February 2005.				
<u> </u>	This action is non-final.				
3) Since this application is in condition for	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims		•			
4) ☐ Claim(s) 1-20 is/are pending in the apple 4a) Of the above claim(s) 18-20 is/are with 5) ☐ Claim(s) is/are allowed.  6) ☐ Claim(s) is/are rejected.  7) ☐ Claim(s) 1-17 is/are objected to.  8) ☐ Claim(s) are subject to restriction	vithdrawn from consideration.				
Application Papers					
9)☐ The specification is objected to by the Entropy The drawing(s) filed on 19 August 2003  Applicant may not request that any objection Replacement drawing sheet(s) including the 11)☐ The oath or declaration is objected to by	is/are: a)⊠ accepted or b)□ ob n to the drawing(s) be held in abeyan a correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for a) All b) Some * c) None of:  1. Certified copies of the priority doc 2. Certified copies of the priority doc 3. Copies of the certified copies of the application from the International  * See the attached detailed Office action for	cuments have been received. cuments have been received in A he priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)					
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-3)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO Paper No(s)/Mail Date <u>08-19-03</u>.</li> </ol>	948) Paper No(s	summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152)			

## **DETAILED ACTION**

- 1. Applicants' election without traverse of Group I, claims 1-17, filed on Feb. 24, 2005, is acknowledge.
- 2. This application is in condition for allowance except for the following formal matters:

In claim 1, line 3, after "silicon", insertion of –gate--; in line 8, before "exposed", removal of "the", before "oxide", insertion of –the layer of--; in line 14, substitution of "the exposed oxide" with –unreacted first layer of metal material and thus exposed oxide—are suggested for clarity and/or correctness. Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

## Reason for Allowance

3. Claim 1 recites "removing exposed portions of the layer of oxide material from the first transistor, thereby exposing a top portion of the silicon gate stack....forming a first silicide on the exposed top portion of the silicon gate stack of the first transistor".

These features in combination with the other elements of the claim are neither disclosed nor suggested by the prior art of record.

Claims 2-16 variously depend from claim 1, they are allowed for the same reason.

## Conclusion

4. The prior art relevant to the disclosure of this application and not being used in the rejections.

USPN 6828236 to Lee, 6391750 to Chen et al., 6040606 to Blair, and 6762085 to Zheng et al. to for teaching the formation of silicide layers of different thickness on two transistors.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha T. Nguyen whose telephone number is (571) 272-1678. The

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examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM, except the first Friday of each bi-week. The telephone number for Wednesday is (703) 560-0528.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt, can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mos

Ha Nguyen

**Primary Examiner** 

4-15-05